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| Substitute for Form 1449 A & B/PTO FEB 15 2007 INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | <i>Complete if Known</i> | |
| | | | | Application Number | 10/577,154 |
| | | | | Confirmation Number | 1395 |
| | | | | Filing Date | April 26, 2006 |
| | | | | First Named Inventor | Eiichi KITAZONO |
| | | | | Art Unit | Not yet assigned. |
| | | | | Examiner Name | Not yet assigned. |
| Sheet | 1 | of | 2 | Attorney Docket Number | Q94633 |

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|--------------------|-----------------------|-----------------|--------------------------------------|--------------------------------|---|
| | | Number | Kind Code ² (if known) | | |
| | | US 5,939,323 | | 08-17-1999 | Valentini et al. |
| | | US 4,582,865 | | 04-15-1986 | Balazs et al. |
| | | US 4,605,691 | | 08-12-1986 | Balazs et al. |
| | | US 4,937,270 | | 06-26-1990 | Hamilton et al. |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Translation ⁶ |
|--------------------|-----------------------|---------------------------|---------------------|--------------------------------|---|--|
| | | Country Code ³ | Number ⁴ | | | |
| | | JP | 2001-293081 | A | 10-23-2001 | OCHI MITSUO, JAPAN TISSUE ENGINEERING:KK |
| | | JP | 7-97401 | A | 04-11-1995 | SHISEIDO CO. LTD. |
| | | JP | 60-130601 | A | 07-12-1985 | BIOMATRIX INC. |
| | | JP | 63-123392 | A | 05-27-1988 | DENKI KAGAKU KOGYO KK |
| | | JP | 2-234689 | A | 09-17-1990 | DENKI KAGAKU KOGYO KK |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published. | Translation ⁶ |
|--------------------|-----------------------|---|--------------------------|
| | | MATS BRITTBERG, M.D., ANDERS LINDAHL, M.D., PH.D., ANDERS NILSSON, M.D., PH.D., CLAES OHLSSON M.D., PH.D., OLLE ISAKSSON, M.D., PH.D., AND LARS PETERSON, M.D., PH.D., Treatment of Deep Cartilage Defects in the Knee with Autologous Chondrocyte Transplantation, The New England Journal of Medicine, October 6, 1994, volume 331, Number 14, pages 889-895 | |
| | | SHIGEYUKI WAKITANI, M.D., TATSUHIKO GOTO, M.D., STEPHEN J. PINEDA, M.D., RANDELL G. YOUNG, D.V.M., JOSEPH M. MANSOUR, PH.D., ARNOLD I. CAPLAN, PH.D. AND VICTOR M. GOLDBERG M.D., Mesenchymal Cell-Based Repair of Large, Full-Thickness Defects of Articular Cartilage, The Journal of Bone and Joint Surgery, Incorporated, vol. 76-A, no. 4, April 1994, pages 579-592 | |
| | | MITSUO OCHI, YUJI UCHIO, MASATOSHI TOBITA, AND MASAKAZU KURIWAKA, Current Concepts in Tissue Engineering Technique for Repair of Cartilage Defect, Artificial Organs, 25(3):172-179, Blackwell Science, Inc. | |
| | | J. AIGNER, J. TEGELER, P. HUTZLER, D. CAMPOCCIA, A. PAVESIO, C. HAMMER, E. KASTENBAUER, A. NAUMANN, Cartilage tissue engineering with novel nonwoven structured biomaterial based on hyaluronic acid benzyl ester, J. Biomed. Mater. Res. 42, 172-181 (1998) | |
| | | PAOLA BRUN, GIOVANNI ABATANGELO, MARCO RADICE, VALENTINA ZACCHI, DIEGO GUIDOLIN, DANIELA DAGA GORDINI, ROBERTA CORTIVO, Chondrocyte aggregation and reorganization into three-dimensional scaffolds, J. Biomed. Mater. Res. 46, 337-346 (1999) | |
| | | LUIS A. SOLCHAGA, JUNG U. YOO, MAGNUS LUNDBERG, JAMES E. DENNIS, BARBARA A. HUIBREGTSE, VICTOR M. GOLDBERG, AND ARNOLD I. CAPLAN, Hyaluronan-based Polymers in the Treatment of Osteochondral Defects, Journal of Orthopaedic Research, 18:773-780 (2000) | |

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|--------------------|---------------------|-----------------|------------|
| Examiner Signature | /Bahar Schmidtmann/ | Date Considered | 02/26/2010 |
|--------------------|---------------------|-----------------|------------|

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.S./

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| | US | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|-----------------------|---------------------------|---------------------|--------------------------------|---|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
| | | Country Code ³ | Number ⁴ | | |
| | JP | 6-72893 | A | 03-15-1994 | SEIKAGAKU KOGYO CO LTD |
| | JP | 5-236951 | A | 09-17-1993 | SEIKAGAKU KOGYO CO LTD |
| | JP | 2000-212204 | A | 08-02-2000 | TOKYO IKA SHIKA UNIV |
| | JP | 9-59303 | A | 03-04-1997 | SHISEIDO CO. LTD. |
| | JP | 2002-529550 | A | 09-10-2002 | AGUISITIO S.P.A. |
| | WO | 00/27887 | A2 | 05-18-2000 | AQUISITIO S.P.A. |
| | JP | 11-509256 | A | 08-17-1999 | AGERUP |
| | WO | 97/04012 | A1 | 02-06-1997 | AGERUP |
| | | | | | |
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| NON PATENT LITERATURE DOCUMENTS | | | | | |
|---------------------------------|-----------------------|--|--|--|--------------------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published. | | | Translation ⁶ |
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| Examiner Signature | /Bahar Schmidtmann/ | Date Considered | 02/26/2010 |
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